

Course Outline

Course Code : DSC4215/DOS4811
Course Title : Data Visualisation
Class Date : From 12/1/2026 to 17/4/2026
Semester : Semester 2, Academic Year 2025/2026
Instructor : Dr. Jeremy Chen
Department : Analytics & Operations
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Overview

Visualisation is an invaluable tool that supports decision making in business.

Students will: (i) manipulate relational data sets, aggregate the data and generate visual representations; (ii) build an understanding of data aggregation processes; (iii) learn to use interactivity to support data exploration and counterfactual/what-if analysis; (iv) learn how to tackle realistic data-driven problems and increase confidence of correctness; and (v) learn aspects of communicating facts and messages with data.

To succeed in this course, one should actively experiment in a hands-on manner (“create”), participate by sharing what one has created (“show”), and then engage with the feedback (“discuss”).

Please visit <https://bit.ly/nus-data-vis-jan-2026-outline> for more details. This includes scheduling information for the mid-term, and detailed information on assessment components. (Important information has been highlighted in red.)

Course Objectives

To learn data visualisation and its adjacents, as mentioned above, and operationalise it to solve real problems (where being right/wrong has consequences) with confidence, and to support decision making.

Assessment

Assessment Components	Weightage
Class Participation	20%
Individual Assignment	20%
Mid-term	30%
Group Project	30%

Schedule and Outline

Please visit link mentioned at the end of the overview.

General Guide & Reading (e.g. Case preparation guide, project report guide, main textbook & supplementary materials, etc)

Please visit link mentioned at the end of the overview.

Academic Honesty & Plagiarism

Academic integrity and honesty is essential for the pursuit and acquisition of knowledge. The University and School expect every student to uphold academic integrity & honesty at all times. Academic dishonesty is any misrepresentation with the intent to deceive, or failure to acknowledge the source, or falsification of information, or inaccuracy of statements, or cheating at examinations/tests, or inappropriate use of resources.

Plagiarism is 'the practice of taking someone else's work or ideas and passing them off as one's own' (The New Oxford Dictionary of English). The University and School will not condone plagiarism. Students should adopt this rule - You have the obligation to make clear to the assessor which is your own work, and which is the work of others. Otherwise, your assessor is entitled to assume that everything being presented for assessment is being presented as entirely your own work. This is a minimum standard. In case of any doubts, you should consult your instructor.

Additional guidance is available at:

- [Administrative Policies](#)
- <http://www.nus.edu.sg/registrar/administrative-policies-procedures/acceptance-record#NUSCodeofStudentConduct>
- <http://nus.edu.sg/osa/resources/code-of-student-conduct>